Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	07/23/2019 09:47 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/24/2019 12:37 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	126448	1	1.22	126544	1.22
Blue	F	SSC	125000	123495	-2	1.55	124284	1.54
Blue	E	FITC	16122	15659	-3	2.70	341	19.86
Blue	D	PE	29316	28661	-3	1.84	625	14.43
Blue	B	PerCP-Cy5-5	42590	41837	-2	3.60	1128	20.01
Blue	A	PE-Cy7	33146	32422	-3	5.97	616	41.37
Red	C	APC	45473	44725	-2	2.41	1589	11.75
Red	A	APC-Cy7	31961	30851	-4	2.31	814	11.79
Violet	B	V450	7914	7497	-6	5.20	418	13.51
Violet	A	V500	29769	27919	-7	5.03	648	11.31

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	21750	3.26	609	9	N/A	N/A	Pass
Blue	F	SSC	56178	1.08	552	14	N/A	N/A	Pass
Blue	E	FITC	63	63.54	539	2	0.0210	179	Pass
Blue	D	PE	130	49.99	541	4	0.1811	321	Pass
Blue	B	PerCP-Cy5-5	207	49.06	642	4	0.0093	55	Pass
Blue	A	PE-Cy7	115	101.44	695	4	0.0106	14	Pass
Red	C	APC	376	25.02	583	4	0.0266	212	Pass
Red	A	APC-Cy7	181	28.47	559	3	0.0058	1105	Pass
Violet	B	V450	65	60.23	463	3	0.0567	2509	Pass
Violet	A	V500	96	34.70	474	2	0.0203	649	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.91	-31.73	1.03
Blue	20.36	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.52
Red	17.12	13.60 - 20.40	N/A	N/A	29.47	29.79	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 9851

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments